1984 *Journal of Aircraft* Index

How to Use the Index

In the Subject Index, pages 980-985; each technical paper is listed under a maximum of three appropriate headings. Note the number in boldface type following each paper title, and use that number to locate the paper in the Chronological Index. The Author Index, pages 985-986, lists all authors associated with a given technical paper. The locating numbers are identical to those in the Subject Index. The Chronological Index, pages 987-992, lists all papers by their unique code numbers. This listing contains titles, authors and their affiliations, and volume, issue number, and page where the paper appeared. It also gives the AIAA paper number, if any, on which the article was based, as well as the "CP" or conference volume number if the paper was published in a bound collection of meetings papers. Comments, Replies, and Errata are listed directly beneath the paper to which they refer. If the paper to which they refer was published prior to 1984, that paper also will appear in both the Subject and Chronological Indexes. Authors of Comments also are listed in the Author Index.

Subject Index

Aircraft Technology, Conventional, STOL/VTOL

Aerodynamics

A Simple and Safe Takeoff or Landing Procedure with Wing Surface Contaminations **C84-161**

Estimation of Aerodynamic Forces and Moments on a Steadily Spinning Airplane **C84-160**

Practical Flight Test Method for Determining Reciprocating Engine Cooling Requirements **C84-159**

A Method for Designing Three-Dimensional Configurations with Prescribed Skin Friction **C84-153**

Measurement of Transonic Dips in the Flutter Boundaries of a Supercritical Wing in a Wind Tunnel **C84-150**

Wing Design for Minimum Drag with Practical Constraints **C84-147**

Computational Transonic Analysis of Canted Winglets **C84-146**

Wind Shear Terms in the Equations of Aircraft Motion **C84-145**

Computation of Vortex Flow Around a Canard/Delta Combination **C84-144**

Induced Drag and Lift of Wing by the Piecewise Continuous Kernel Function Method **C84-140**

Evaluation of NCOREL, PAN AIR, and W12SC3 for Supersonic Wing Pressures **C84-137**

Nonlinear Aerodynamic Effects on Bodies in Superonic Flow **C84-136**

PAN AIR Applications to Mutual Interference Effects **C84-135**

Simulated Flight Through JAWS Wind Shear **C84-134**

Motion of Aircraft Trailing Vortices near the Ground **C84-131**

Status Review of a Supersonically Biased Fighter Wing Design Study **C84-129**

High-Lift Airfoil Design from the Hodograph **C84-128**

Slender Wings with Leading-Edge Vortex Separation: A Challenge for Panel Methods and Euler Solvers **C84-127**

Structure of Lift-Generated Rolled-Up Vortices **C84-125**

Leeside Flows over Delta Wings at Supersonic Speeds **C84-116**

The Use of Multipoles for Calculating the Aerodynamic Interference Between Bodies of Revolution **C84-115**

Boundary Layer Characteristics of the Miley Airfoil at Low Reynolds Numbers **C84-113**

Advanced Airfoil Design for General Aviation Propellers **C84-112**

Transonic Pressure Distributions on a Rectangular Supercritical Wing Oscillating in Pitch **C84-101**

Applying Slender Wing Benefits to Military Aircraft (Wright Brothers Lecture) **C84-098**

A Nonlinear Analysis of the Cushion Stability of Slowly Oscillating ACV's **C84-095**

Application of Panel Methods in External Store Load Calculations **C84-09?**

Parameter Identification Applied to the Oscillatory Motion of an Airplane Near Stall **C84-088**

Surface Pressures on a Flat Plate with Dual Jet Configurations **C84-086**

Development of Advanced Circulation Control Wing High-Lift Airfoils **C84-085**

Prediction of Vortex Lift on Interacting Delta Wings in Incompressible Flow **C84-081**

Compressibility Correction for Flow About Wing Surfaces **C84-080**

Engineering Analysis of Drooped Leading-Edge Wings Near Stall **C84-078**

Measurements of Ground Effect for Delta Wings **C84-076**

Calculation of Potential Flow Past Simple Bodies Using Axial Sources and a Least-Squares Method **C84-074**

Efficient Method for Calculating the Axial Velocities Induced Along Rotating Blades by Trailing Helical Vortices **C84-072**

On the Convergence of Unsteady Generalized Aerodynamic Forces **C84-070**

Computation of Transonic Flow Around Airfoils with Trailing Edge and Shock/Boundary Layer Interactions **C84-064**

Application of Computational Aerodynamics to Airplane Design **C84-062**

Short,Multi-Step, Afterbody Fairings **C84-060**

The Use of a Panel Method in the Prediction of External Store Separation **C84-053**

Slender Body Theory and Optimization Procedures for Transonic Lifting Wing Bodies **C84-046**

Treatment of Supersonic Configurations by an Updated Low-Order Panel Method **C84-042**

Analytic Extrapolation to Full-Scale Aircraft Dynamics **C84-040**

Modifying TRANDES to Obtain Given Lift Coefficient **C84-039**

Potential Flow Past Axisymmetric Bodies at Angle of Attack **C84-038**

Active Suppression of Aeroelastic Instabilities on a Forward-Swept Wing **C84-036**

Aerodynamic Design Optimization Trim Analysis of Canard Conventional Configurations **C84-034**

NASA's B-57B Gust Gradient Program **C84-033**

A Method for Predicting Low-Speed Aerodynamic Characteristics of Transport Aircraft **C84-032**

PAN AIR Applications to Aero-Propulsion Integration **C84-031**

A Multi-Grid Method for Transonic Wing Analysis and Design **C84-027**

Circulation Controlled STOL Wing Optimization **C84-025**

Benefits of Dual Wings over Single Wings for High-Performance Business Airplanes **C84-024**

Flutter Analysis Using Nonlinear Aerodynamic Forces **C84-022**

Close-Coupled Canard-Wing Vortex Interaction **C84-021**

Computation of the Flow Around Wings with Rear Separation **C84-020**

Minimum Induced Drag of Wings with Curved Planform **C84-015**

A Dynamic Model for Aircraft Poststall Departure **C84-009**

Dynamic Load Measurements with Delta Wings Undergoing Self-Induced Roll Oscillations **C84-004**

Free-Flight and Wind-Tunnel Data for a Generic Fighter Configuration **C84-001**

1984 *Journal of Aircraft* Index

How to Use the Index

In the Subject Index, pages 980-985; each technical paper is listed under a maximum of three appropriate headings. Note the number in boldface type following each paper title, and use that number to locate the paper in the Chronological Index. The Author Index, pages 985-986, lists all authors associated with a given technical paper. The locating numbers are identical to those in the Subject Index. The Chronological Index, pages 987-992, lists all papers by their unique code numbers. This listing contains titles, authors and their affiliations, and volume, issue number, and page where the paper appeared. It also gives the AIAA paper number, if any, on which the article was based, as well as the "CP" or conference volume number if the paper was published in a bound collection of meetings papers. Comments, Replies, and Errata are listed directly beneath the paper to which they refer. If the paper to which they refer was published prior to 1984, that paper also will appear in both the Subject and Chronological Indexes. Authors of Comments also are listed in the Author Index.

Subject Index

Aircraft Technology, Conventional, STOL/VTOL

Aerodynamics

A Simple and Safe Takeoff or Landing Procedure with Wing Surface Contaminations **C84-161**

Estimation of Aerodynamic Forces and Moments on a Steadily Spinning Airplane **C84-160**

Practical Flight Test Method for Determining Reciprocating Engine Cooling Requirements **C84-159**

A Method for Designing Three-Dimensional Configurations with Prescribed Skin Friction **C84-153**

Measurement of Transonic Dips in the Flutter Boundaries of a Supercritical Wing in a Wind Tunnel **C84-150**

Wing Design for Minimum Drag with Practical Constraints **C84-147**

Computational Transonic Analysis of Canted Winglets **C84-146**

Wind Shear Terms in the Equations of Aircraft Motion **C84-145**

Computation of Vortex Flow Around a Canard/Delta Combination **C84-144**

Induced Drag and Lift of Wing by the Piecewise Continuous Kernel Function Method **C84-140**

Evaluation of NCOREL, PAN AIR, and W12SC3 for Supersonic Wing Pressures **C84-137**

Nonlinear Aerodynamic Effects on Bodies in Superonic Flow **C84-136**

PAN AIR Applications to Mutual Interference Effects **C84-135**

Simulated Flight Through JAWS Wind Shear **C84-134**

Motion of Aircraft Trailing Vortices near the Ground **C84-131**

Status Review of a Supersonically Biased Fighter Wing Design Study **C84-129**

High-Lift Airfoil Design from the Hodograph **C84-128**

Slender Wings with Leading-Edge Vortex Separation: A Challenge for Panel Methods and Euler Solvers **C84-127**

Structure of Lift-Generated Rolled-Up Vortices **C84-125**

Leeside Flows over Delta Wings at Supersonic Speeds **C84-116**

The Use of Multipoles for Calculating the Aerodynamic Interference Between Bodies of Revolution **C84-115**

Boundary Layer Characteristics of the Miley Airfoil at Low Reynolds Numbers **C84-113**

Advanced Airfoil Design for General Aviation Propellers **C84-112**

Transonic Pressure Distributions on a Rectangular Supercritical Wing Oscillating in Pitch **C84-101**

Applying Slender Wing Benefits to Military Aircraft (Wright Brothers Lecture) **C84-098**

A Nonlinear Analysis of the Cushion Stability of Slowly Oscillating ACV's **C84-095**

Application of Panel Methods in External Store Load Calculations **C84-09?**

Parameter Identification Applied to the Oscillatory Motion of an Airplane Near Stall **C84-088**

Surface Pressures on a Flat Plate with Dual Jet Configurations **C84-086**

Development of Advanced Circulation Control Wing High-Lift Airfoils **C84-085**

Prediction of Vortex Lift on Interacting Delta Wings in Incompressible Flow **C84-081**

Compressibility Correction for Flow About Wing Surfaces **C84-080**

Engineering Analysis of Drooped Leading-Edge Wings Near Stall **C84-078**

Measurements of Ground Effect for Delta Wings **C84-076**

Calculation of Potential Flow Past Simple Bodies Using Axial Sources and a Least-Squares Method **C84-074**

Efficient Method for Calculating the Axial Velocities Induced Along Rotating Blades by Trailing Helical Vortices **C84-072**

On the Convergence of Unsteady Generalized Aerodynamic Forces **C84-070**

Computation of Transonic Flow Around Airfoils with Trailing Edge and Shock/Boundary Layer Interactions **C84-064**

Application of Computational Aerodynamics to Airplane Design **C84-062**

Short,Multi-Step, Afterbody Fairings **C84-060**

The Use of a Panel Method in the Prediction of External Store Separation **C84-053**

Slender Body Theory and Optimization Procedures for Transonic Lifting Wing Bodies **C84-046**

Treatment of Supersonic Configurations by an Updated Low-Order Panel Method **C84-042**

Analytic Extrapolation to Full-Scale Aircraft Dynamics **C84-040**

Modifying TRANDES to Obtain Given Lift Coefficient **C84-039**

Potential Flow Past Axisymmetric Bodies at Angle of Attack **C84-038**

Active Suppression of Aeroelastic Instabilities on a Forward-Swept Wing **C84-036**

Aerodynamic Design Optimization Trim Analysis of Canard Conventional Configurations **C84-034**

NASA's B-57B Gust Gradient Program **C84-033**

A Method for Predicting Low-Speed Aerodynamic Characteristics of Transport Aircraft **C84-032**

PAN AIR Applications to Aero-Propulsion Integration **C84-031**

A Multi-Grid Method for Transonic Wing Analysis and Design **C84-027**

Circulation Controlled STOL Wing Optimization **C84-025**

Benefits of Dual Wings over Single Wings for High-Performance Business Airplanes **C84-024**

Flutter Analysis Using Nonlinear Aerodynamic Forces **C84-022**

Close-Coupled Canard-Wing Vortex Interaction **C84-021**

Computation of the Flow Around Wings with Rear Separation **C84-020**

Minimum Induced Drag of Wings with Curved Planform **C84-015**

A Dynamic Model for Aircraft Poststall Departure **C84-009**

Dynamic Load Measurements with Delta Wings Undergoing Self-Induced Roll Oscillations **C84-004**

Free-Flight and Wind-Tunnel Data for a Generic Fighter Configuration **C84-001**

Aeroelasticity

Divergence Speed Degradation of Forward-Swept Wings with Damaged Composite Skin C84-152
Bending Effects on Structural Dynamic Instabilities of Transonic Wings C84-151
Effects of Viscosity on Transonic-Aerodynamic and Aeroelastic Characteristics of Oscillating Airfoils C84-119
Divergence/Flutter Suppression System for a Forward Swept-Wing Configuration with Wing-Mounted Stores C84-109
Transonic Pressure Distributions on a Rectangular Supercritical Wing Oscillating in Pitch C84-101
Divergence Boundary Prediction from Random Responses: NAL's Method C84-073
On the Convergence of Unsteady Generalized Aerodynamic Forces C84-070
Wind Tunnel Correlation Study of Aerodynamic Modeling for F/A-18 Wing-Store Tip-Missile Flutter C84-056
Aerodynamic Response of Airfoils in Sinusoidal Oblique Gust C84-052
Airfoil Shape and Thickness Effects on Transonic Airloads and Flutter C84-037
Active Suppression of Aeroelastic Instabilities on a Forward-Swept Wing C84-036
Equivalence of Damping from Flight Flutter Test Evaulation and Eigenvalue Calculation C84-030
Flutter Analysis Using Nonlinear Aerodynamic Forces C84-022
Aeroelastic Flutter and Divergence of Stiffness Coupled, Graphite/Epoxy Cantilevered Plates C84-010

Cabin Environment, Crew Training, and Life Support

A User-Operated Model to Study Strategy in Aircraft Evacuation C84-162

Civil Missions and Transportation

A Physical Basis for NEXRAD Data Update Rates C84-142
Worldwide Aviation Outlook C84-066
Turboprop Engine Propulsion for the 1990's C84-043

Configuration Design

Microwave-Powered, Unmanned, High-Altitude Airplanes C84-163
Wing Design for Minimum Drag with Practical Constraints C84-147
Induced Drag and Lift of Wing by the Piecewise Continuous Kernel Function Method C84-140
Status Review of a Supersonically Biased Fighter Wing Design Study C84-129
Design Integration of Laminar Flow Control for Transport Aircraft C84-106
A Cost Modeling Approach to Engine Optimization C84-099
Applying Slender Wing Benefits to Military Aircraft (Wright Brothers Lecture) C84-098
An Inverse Solution for Component Positioning Using Homogeneous Coordinate Transformations C84-096
Development of Advanced Circulation Control Wing High-Lift Airfoils C84-085
Short,Multi-Step, Afterbody Fairings C84-060
Aerodynamic Design Optimization Trim Analysis of Canard Conventional Configurations C84-034
A Method for Predicting Low-Speed Aerodynamic Characteristics of Transport Aircraft C84-032
Free-Flight and Wind-Tunnel Data for a Generic Fighter Configuration C84-001
Aeroelastic Divergence of Unrestrained Vehicles C81-195

Deceleration Systems

Thrust Reverser Exhaust Plume Reingestion Model Tests C84-067

Economics

GASP Cloud Encounter Statistics: Implications for Laminar Flow Control Flight C84-143
A Cost Modeling Approach to Engine Optimization C84-099
Monte Carlo Simulation of the Engine Development Process C84-083
Worldwide Aviation Outlook C84-066

Flight Displays

Visually Coupled Systems as Simulation Devices C84-110
Airfoil Probe for Angle-of-Attack Measurement C84-014

Flight Operations

A Simple and Safe Takeoff or Landing Procedure with Wing Surface Contaminations C84-161
Simulated Flight Through JAWS Wind Shear C84-134

Fuels and Fuel Systems

Feasibility of a Full-Scale Degrader for Antimisting Kerosene C84-057
Heating Experiments for Flowability Improvement of Near-Freezing Aviation Fuel C84-045

General Aviation

A Physical Basis for NEXRAD Data Update Rates C84-142
Motion of Aircraft Trailing Vortices near the Ground C84-131
Advanced Airfoil Design for General Aviation Propellers C84-112
Thermodynamic Performance of an Airplane Wing Leading Edge Anti-Icing System C84-093
Nonlinear Finite Element Method in Crashworthiness Analysis of Aircraft Seats C84-090
Parameter Identification Applied to the Oscillatory Motion of an Airplane Near Stall C84-088
Engineering Analysis of Drooped Leading-Edge Wings Near Stall C84-078
Short,Multi-Step, Afterbody Fairings C84-060
Aerodynamic Design Optimization Trim Analysis of Canard Conventional Configurations C84-034
Benefits of Dual Wings over Single Wings for High-Performance Business Airplanes C84-024
A Dynamic Model for Aircraft Poststall Departure C84-009

Ground Effect Machines

A Nonlinear Analysis of the Cushion Stability of Slowly Oscillating ACV's C84-095
Measurements of Ground Effect for Delta Wings C84-076

Guidance and Control

Computer Control for Automated Flight Test Maneuvering C84-130
Application of Transonic Codes to Aeroelastic Modeling of Airfoils Including Active Controls C84-108
Active Suppression of Aeroelastic Instabilities on a Forward-Swept Wing C84-036
Airfoil Probe for Angle-of-Attack Measurement C84-014

Handling Qualities, Stability and Control

Flutter Characteristics of High Aspect Ratio Tailless Aircraft C84-124
Recent Developments in the F-16 Flutter Suppression with Active Control Program C84-121
Divergence/Flutter Suppression System for a Forward Swept-Wing Configuration with Wing-Mounted Stores C84-109
A Nonlinear Analysis of the Cushion Stability of Slowly Oscillating ACV's C84-095
Parameter Identification Applied to the Oscillatory Motion of an Airplane Near Stall C84-088
Thrust Vector Control of a V/STOL Airship C84-068
An Experimental Investigation of VTOL Flying Qualities Requirements in Shipboard Landings C84-063
Twenty-five Years of Handling Qualities Research C84-051
Flight Dynamics of Rotorcraft in Steep High-g Turns C84-002
Application of Oscillatory Aeodynamic Theory Estimation of Dynamic Stability Derivatives C70-001

Helicopters

Performance Degradation of a Model Helicopter Rotor with a Generic Ice Shape C84-138
Efficient Method for Calculating the Axial Velocities Induced Along Rotating Blades by Trailing Helical Vortices C84-072
An Experimental Investigation of VTOL Flying Qualities Requirements in Shipboard Landings C84-063
Helicopter Rotor Performance Degradation in Natural Icing Encounter C84-012
Flight Dynamics of Rotorcraft in Steep High-g Turns C84-002

Landing Dynamics

Simulated Flight Through JAWS Wind Shear C84-134
Airborne Infrared Low-Altitude Wind Shear Detection Test C84-133
An Experimental Investigation of VTOL Flying Qualities Requirements in Shipboard Landings C84-063

Lighter-than-Airships

Thrust Vector Control of a V/STOL Airship C84-068

Military Missions

F100 Engine Diagnostic System (EDS)—Summary of Results C84-023

Noise

Low Flight Speed Fan Noise from a Supersonic Inlet C84-114
Comparison of Broadband Noise Mechanisms, Analyses, and Experiments on Rotors C84-102
Noise Transmission Characteristics of Advanced Composite Structural Materials C84-092
Design and Flight Test of a Kevlar Acoustic Liner C84-087
Flight Effects on Fan Noise with Static and Wind-Tunnel Comparisons C84-082
Specification, Design, and Test of Aircraft Engine Isolators for Reduced Interior Noise C84-065
Comparison of Model Helicopter Rotor Primary and Secondary Blade/Vortex Interaction Blade Slap C84-059
A Computer System for Aircraft Flyover Acoustic Data Aquisition and Analysis C84-029
The Fallacy of Using NII in Analyzing Aircraft Operations C84-028
Tone Generation by Rotor-Downstream Strut Interaction C84-026

Performance

Effects of Icing on Performance of a Research Airplane C84-120
Experimental Performance Evaluation of Ventilated Mixers--A New Mixer Concept for High-Bypass Turbofan Engines C84-100
Profile Drag from Laser-Doppler Velocimeter Measurement C84-077
Rate of Climb for Light Propeller Powered Airplanes C84-050
Benefits of Dual Wings over Single Wings for High-Performance Business Airplanes C84-024
Helicopter Rotor Performance Degradation in Natural Icing Encounter C84-012
Performance Degradation of Propeller Systems Due to Rime Ice Accretion C84-006

Powerplant Design

Feasibility Analysis of a Spiral Groove Ring Seal for Counter-Rotating Shafts C84-107
A Cost Modeling Approach to Engine Optimization C84-099
Turboprop Engine Propulsion for the 1990's C84-043
Tone Generation by Rotor-Downstream Strut Interaction C84-026

Propeller and Rotor Systems

Euler Equation Simulation of Propeller-Wing Interaction in Transonic Flow C84-141
Performance Degradation of a Model Helicopter Rotor with a Generic Ice Shape C84-138
Advanced Airfoil Design for General Aviation Propellers C84-112
Comparison of Broadband Noise Mechanisms, Analyses, and Experiments on Rotors C84-102
Proposed Arrangement to Improve Turboprop Efficiency C84-058
Aerodynamic Measurements About a Rotating Propeller with a Laser Velocimeter C84-047
Turboprop Engine Propulsion for the 1990's C84-043
Helicopter Rotor Performance Degradation in Natural Icing Encounter C84-012
Performance Degradation of Propeller Systems Due to Rime Ice Accretion C84-006

Simulation

A Spatial Model of Wind Shear and Turbulence C84-158
Visually Coupled Systems as Simulation Devices C84-110
Thrust Vector Control of a V/STOL Airship C84-068

Structural Design (Including Loads)

Divergence Speed Degradation of Forward-Swept Wings with Damaged Composite Skin C84-152
Wing Design for Minimum Drag with Practical Constraints C84-147
Induced Drag and Lift of Wing by the Piecewise Continuous Kernel Function Method C84-140
Improved Damage-Tolerance Analysis Methodology C84-122
Analytical and Experimental Investigation of Bird Impact on Fan and Compressor Blading C84-091
Nonlinear Finite Element Method in Crashworthiness Analysis of Aircraft Seats C84-090
Design and Experimental Verification of the USB Flap Panel Structure for NAL-STOL Research Aircraft C84-061
Analytical Comparison of Two Wing Structures for Mach 5 Cruise Airplanes C84-048

Structural Materials

Fracture, Longevity, and Damage Tolerance of Graphite/Epoxy Filamentary Composite Material C84-011

Subsystem Design

An Inverse Solution for Component Positioning Using Homogeneous Coordinate Transformations C84-096
Specification, Design, and Test of Aircraft Engine Isolators for Reduced Interior Noise C84-065

Testing, Flight and Ground

A Simple and Safe Takeoff or Landing Procedure with Wing Surface Contaminations C84-161
Practical Flight Test Method for Determining Reciprocating Engine Cooling Requirements C84-159
Experimental Investigation of Dynamic Stall for a Pitching Airfoil C84-139
Airborne Infrared Low-Altitude Wind Shear Detection Test C84-133
Computer Control for Automated Flight Test Maneuvering C84-130
Improved Damage-Tolerance Analysis Methodology C84-122
Transonic Wind Tunnel Wall Interference Minimization C84-118
Thermodynamic Performance of an Airplane Wing Leading Edge Anti-Icing System C84-093
Divergence Boundary Prediction from Random Responses: NAL's Method C84-073
Thrust Reverser Exhaust Plume Reingestion Model Tests C84-067
Specification, Design, and Test of Aircraft Engine Isolators for Reduced Interior Noise C84-065

NASA's B-57B Gust Gradient Program C84-033
Equivalence of Damping from Flight Flutter Test Evaulation and Eigenvalue Calculation C84-030
A Computer System for Aircraft Flyover Acoustic Data Aquisition and Analysis C84-029
Wind Tunnel Wall Interference Corrections for Aircraft Models in the Transonic Regime C84-008

Energy

Alternate Fuels

Predicted TF41 Performance with the AGARD Research Fuel C84-132
Feasibility of a Full-Scale Degrader for Antimisting Kerosene C84-057

Combustion

Fuel Effects on Gas Turbine Combustion-Liner Temperature, Pattern Factor, and Pollutant Emissions C84-148
Predicted TF41 Performance with the AGARD Research Fuel C84-132

Microwaves

Microwave-Powered, Unmanned, High-Altitude Airplanes C84-163

Rotating Machinery

Feasibility Analysis of a Spiral Groove Ring Seal for Counter-Rotating Shafts C84-107
Proposed Arrangement to Improve Turboprop Efficiency C84-058

Fluid Dynamics

Aeroacoustics

Low Flight Speed Fan Noise from a Supersonic Inlet C84-114
Comparison of Broadband Noise Mechanisms, Analyses, and Experiments on Rotors C84-102
Flight Effects on Fan Noise with Static and Wind-Tunnel Comparisons C84-082
Comparison of Model Helicopter Rotor Primary and Secondary Blade/Vortex Interaction Blade Slap C84-059
A Computer System for Aircraft Flyover Acoustic Data Aquisition and Analysis C84-029
Tone Generation by Rotor-Downstream Strut Interaction C84-026

Boundary Layers and Convective Heat Transfer-Laminar

Circulation Controlled STOL Wing Optimization C84-025

Boundary Layers and Convective Heat Transfer-Turbulent

Turbulent Roughness Drag Due to Surface Waviness at Low Roughness Reynolds Numbers C84-165
A Spatial Model of Wind Shear and Turbulence C84-158
A Method for Designing Three-Dimensional Configurations with Prescribed Skin Friction C84-153
A Method for Measuring Skin Friction Drag on a Flat Plate in Contaminated Gas Flows C84-097
Computation of Transonic Flow Around Airfoils with Trailing Edge and Shock/Boundary Layer Interactions C84-064
Computation of Three-Dimensional Boundary Layers on Fuselages C84-003

Boundary-Layer Stability and Transition

Boundary Layer Characteristics of the Miley Airfoil at Low Reynolds Numbers C84-113
Design Integration of Laminar Flow Control for Transport Aircraft C84-106
A Method for Measuring Skin Friction Drag on a Flat Plate in Contaminated Gas Flows C84-097

Computational Methods

Estimation of Aerodynamic Forces and Moments on a Steadily Spinning Airplane C84-160
Computational Transonic Analysis of Canted Winglets C84-146
Computation of Vortex Flow Around a Canard/Delta Combination C84-144
Euler Equation Simulation of Propeller-Wing Interaction in Transonic Flow C84-141
Evaluation of NCOREL, PAN AIR, and W12SC3 for Supersonic Wing Pressures C84-137
PAN AIR Applications to Mutual Interference Effects C84-135
Slender Wings with Leading-Edge Vortex Separation: A Challenge for Panel Methods and Euler Solvers C84-127
The Role of Computational Fluid Dynamics in Aeropropulsion Ground Testing C84-126
The Use of Multipoles for Calculating the Aerodynamic Interference Between Bodies of Revolution C84-115
Application of Panel Methods in External Store Load Calculations C84-094
Compressibility Correction for Flow About Wing Surfaces C84-080
Calculation of Potential Flow Past Simple Bodies Using Axial Sources and a Least-Squares Method C84-074
Efficient Method for Calculating the Axial Velocities Induced Along Rotating Blades by Trailing Helical Vortices C84-072
Computation of Transonic Flow Around Airfoils with Trailing Edge and Shock/Boundary Layer Interactions C84-064
Application of Computational Aerodynamics to Airplane Design C84-062
The Use of a Panel Method in the Prediction of External Store Separation C84-053
Numerical Simulation of Two-Dimensional Inlet Flowfields C84-044
Treatment of Supersonic Configurations by an Updated Low-Order Panel Method C84-042
Modifying TRANDES to Obtain Given Lift Coefficient C84-039
Potential Flow Past Axisymmetric Bodies at Angle of Attack C84-038
A Method for Predicting Low-Speed Aerodynamic Characteristics of Transport Aircraft C84-032
PAN AIR Applications to Aero-Propulsion Integration C84-031
A Multi-Grid Method for Transonic Wing Analysis and Design C84-027
Computation of the Flow Around Wings with Rear Separation C84-020
Computation of Three-Dimensional Boundary Layers on Fuselages C84-003

Hydrodynamics

High-Lift Airfoil Design from the Hodograph C84-128
Potential Flow Past Axisymmetric Bodies at Angle of Attack C84-038

Jets, Wakes, and Viscid-Inviscid Flow Interactions

Motion of Aircraft Trailing Vortices near the Ground C84-131
Structure of Lift-Generated Rolled-Up Vortices C84-125
Effects of Viscosity on Transonic-Aerodynamic and Aeroelastic Characteristics of Oscillating Airfoils C84-119
The Influence of Blade Wakes on the Performance of Combustor Shortened Prediffusers C84-111
Unsteady Flow Concepts for Dynamic Stall Analysis C84-104
Surface Pressures on a Flat Plate with Dual Jet Configurations C84-086
Engineering Analysis of Drooped Leading-Edge Wings Near Stall C84-078
Profile Drag from Laser-Doppler Velocimeter Measurement C84-077
The Fluid Mechanics of Slender Wing Rock C84-055
Shock-Induced Dynamic Stall C84-054
Aerodynamic Measurements About a Rotating Propeller with a Laser Velocimeter C84-047
Analytic Extrapolation to Full-Scale Aircraft Dynamics C84-040
Circulation Controlled STOL Wing Optimization C84-025
Close-Coupled Canard-Wing Vortex Interaction C84-021
Computation of the Flow Around Wings with Rear Separation C84-020

Nonsteady Aerodynamics

Estimation of Aerodynamic Forces and Moments on a Steadily Spinning Airplane C84-160
Experimental Investigation of Dynamic Stall for a Pitching Airfoil C84-139
Effects of Viscosity on Transonic-Aerodynamic and Aeroelastic Characteristics of Oscillating Airfoils C84-119
Aerodynamic Characteristics of a Two-Dimensional Moving Spoiler in Subsonic and Transonic Flow C84-117
Unsteady Flow Concepts for Dynamic Stall Analysis C84-104
Transonic Pressure Distributions on a Rectangular Supercritical Wing Oscillating in Pitch C84-101
Unsteady Pressures and Forces During Transonic Buffeting of a Supercritical Airfoil C84-075
Aerodynamics of Pointed Forebodies at High Angles of Attack C84-071
On the Convergence of Unsteady Generalized Aerodynamic Forces C84-070
Wind Tunnel Correlation Study of Aerodynamic Modeling for F/A-18 Wing-Store Tip-Missile Flutter C84-056
The Fluid Mechanics of Slender Wing Rock C84-055
Shock-Induced Dynamic Stall C84-054
Aerodynamic Response of Airfoils in Sinusoidal Oblique Gust C84-052
Slender Body Theory and Optimization Procedures for Transonic Lifting Wing Bodies C84-046
Analytic Extrapolation to Full-Scale Aircraft Dynamics C84-040
Airfoil Shape and Thickness Effects on Transonic Airloads and Flutter C84-037
A Method for Predicting Wing Response to Buffet Loads C84-013
Computations and Aeroelastic Applications of Unsteady Transonic Aerodynamics About Wings C84-005
Dynamic Load Measurements with Delta Wings Undergoing Self-Induced Roll Oscillations C84-004
Application of Oscillatory Aeodynamic Theory Estimation of Dynamic Stability Derivatives C70-001

Nozzle and Channel Flow

Experimental Performance Evaluation of Ventilated Mixers--A New Mixer Concept for High-Bypass Turbofan Engines C84-100
Numerical Simulation of Two-Dimensional Inlet Flowfields C84-044

Subsonic Flow

Experimental Investigation of Dynamic Stall for a Pitching Airfoil C84-139
High-Lift Airfoil Design from the Hodograph C84-128
Aerodynamic Characteristics of a Two-Dimensional Moving Spoiler in Subsonic and Transonic Flow C84-117
The Use of Multipoles for Calculating the Aerodynamic Interference Between Bodies of Revolution C84-115
Boundary Layer Characteristics of the Miley Airfoil at Low Reynolds Numbers C84-113
Unsteady Flow Concepts for Dynamic Stall Analysis C84-104
Effect of Geometry on Airfoil Icing Characteristics C84-089
Compressibility Correction for Flow About Wing Surfaces C84-080
Calculation of Potential Flow Past Simple Bodies Using Axial Sources and a Least-Squares Method C84-074
Aerodynamics of Pointed Forebodies at High Angles of Attack C84-071
Comparison of Model Helicopter Rotor Primary and Secondary Blade/Vortex Interaction Blade Slap C84-059
The Fluid Mechanics of Slender Wing Rock C84-055
Shock-Induced Dynamic Stall C84-054
Close-Coupled Canard-Wing Vortex Interaction C84-021
Minimum Induced Drag of Wings with Curved Planform C84-015
Airfoil Probe for Angle-of-Attack Measurement C84-014
Aerodynamics of Very Slender Rectangular Wing Bodies to High Incidence C84-007

Supersonic and Hypersonic Flow

Evaluation of NCOREL, PAN AIR, and W12SC3 for Supersonic Wing Pressures C84-137
Nonlinear Aerodynamic Effects on Bodies in Superonic Flow C84-136
Numerical Simulation of Two-Dimensional Inlet Flowfields C84-044
Treatment of Supersonic Configurations by an Updated Low-Order Panel Method C84-042

Transonic Flow

Bending Effects on Structural Dynamic Instabilities of Transonic Wings C84-151

Computation of Vortex Flow Around a Canard/Delta Combination C84-144
Slender Wings with Leading-Edge Vortex Separation: A Challenge for Panel Methods and Euler Solvers C84-127
Aerodynamic Characteristics of a Two-Dimensional Moving Spoiler in Subsonic and Transonic Flow C84-117
Application of Transonic Codes to Aeroelastic Modeling of Airfoils Including Active Controls C84-108
Unsteady Pressures and Forces During Transonic Buffeting of a Supercritical Airfoil C84-075
Slender Body Theory and Optimization Procedures for Transonic Lifting Wing Bodies C84-046
Modifying TRANDES to Obtain Given Lift Coefficient C84-039
Airfoil Shape and Thickness Effects on Transonic Airloads and Flutter C84-037
A Multi-Grid Method for Transonic Wing Analysis and Design C84-027
Flutter Analysis Using Nonlinear Aerodynamic Forces C84-022
Wind Tunnel Wall Interference Corrections for Aircraft Models in the Transonic Regime C84-008
Computations and Aeroelastic Applications of Unsteady Transonic Aerodynamics About Wings C84-005

Interdisciplinary Topics

Aerospace Management

Monte Carlo Simulation of the Engine Development Process C84-083
Worldwide Aviation Outlook C84-066

Aerospace Technology Utilization

F100 Engine Diagnostic System (EDS)--Summary of Results C84-023

Analytical and Numerical Methods

Application of Panel Methods in External Store Load Calculations C84-094
The Use of a Panel Method in the Prediction of External Store Separation C84-053
Aerodynamics of Very Slender Rectangular Wing Bodies to High Incidence C84-007

Atmospheric and Space Sciences

Optimizing the Use of Surface Sensors for Wind Shear Detection C84-164
A Spatial Model of Wind Shear and Turbulence C84-158
GASP Cloud Encounter Statistics: Implications for Laminar Flow Control Flight C84-143
A Physical Basis for NEXRAD Data Update Rates C84-142
Performance Degradation of a Model Helicopter Rotor with a Generic Ice Shape C84-138
Airborne Infrared Low-Altitude Wind Shear Detection Test C84-133
Lightning Strikes to an Airplane in a Thunderstorm C84-105
Effect of Geometry on Airfoil Icing Characteristics C84-089
NASA's B-57B Gust Gradient Program C84-033
Performance Degradation of Propeller Systems Due to Rime Ice Accretion C84-006
Aerodynamic Penalties of Heavy Rain on Landing Airplanes C83-019

Computer Software

A User-Operated Model to Study Strategy in Aircraft Evacuation C84-162
An Inverse Solution for Component Positioning Using Homogeneous Coordinate Transformations C84-096
Nonlinear Finite Element Method in Crashworthiness Analysis of Aircraft Seats C84-090

Human Factors

A User-Operated Model to Study Strategy in Aircraft Evacuation C84-162
Visually Coupled Systems as Simulation Devices C84-110
The Fallacy of Using NII in Analyzing Aircraft Operations C84-028

Lasers and Laser Applications

Profile Drag from Laser-Doppler Velocimeter Measurement C84-077
Aerodynamic Measurements About a Rotating Propeller with a Laser Velocimeter C84-047

Numerical Analysis

Analytical and Experimental Investigation of Bird Impact on Fan and Compressor Blading C84-091

Research Facilities and Instrumentation

Lightning Strikes to an Airplane in a Thunderstorm C84-105
Two-Dimensional Wind-Tunnel Interference from Measurements on Two Contours C84-069

Safety

Effects of Icing on Performance of a Research Airplane C84-120
Lightning Strikes to an Airplane in a Thunderstorm C84-105

Sensor Systems

Optimizing the Use of Surface Sensors for Wind Shear Detection C84-164

System Identification

Divergence Boundary Prediction from Random Responses: NAL's Method C84-073

Launch Vehicle and Missile (LV/M) Technology

Aerodynamics

Nonlinear Aerodynamic Effects on Bodies in Superonic Flow C84-136
PAN AIR Applications to Mutual Interference Effects C84-135
Aerodynamics of Very Slender Rectangular Wing Bodies to High Incidence C84-007

Missile Systems

Aerodynamics of Pointed Forebodies at High Angles of Attack C84-071

Propulsion

Airbreathing Propulsion

Practical Flight Test Method for Determining Reciprocating Engine Cooling Requirements C84-159
The Role of Computational Fluid Dynamics in Aeropropulsion Ground Testing C84-126
Low Flight Speed Fan Noise from a Supersonic Inlet C84-114
The Influence of Blade Wakes on the Performance of Combustor Shortened Prediffusers C84-111
Feasibility Analysis of a Spiral Groove Ring Seal for Counter-Rotating Shafts C84-107
Maximum Loading Capability of Axial Flow Compressors C84-103
Effects of Compressor Hub Treatment and Stator Stall and Pressure Rise C84-084
Monte Carlo Simulation of the Engine Development Process C84-083
Thrust Reverser Exhaust Plume Reingestion Model Tests C84-067
Aerodynamic Response of Airfoils in Sinusoidal Oblique Gust C84-052
The Coupled Response of Turbomachinery Blading to Aerodynamic Excitations C84-049
PAN AIR Applications to Aero-Propulsion Integration C84-031

Combustion and Combustor Designs

Predicted TF41 Performance with the AGARD Research Fuel C84-132
The Influence of Blade Wakes on the Performance of Combustor Shortened Prediffusers C84-111

Engine Control

Computer Control for Automated Flight Test Maneuvering C84-130

Engine Performance

Maximum Loading Capability of Axial Flow Compressors C84-103
Design and Flight Test of a Kevlar Acoustic Liner C84-087
Effects of Compressor Hub Treatment and Stator Stall and Pressure Rise C84-084
Feasibility of a Full-Scale Degrader for Antimisting Kerosene C84-057
F100 Engine Diagnostic System (EDS)--Summary of Results C84-023

Fuels and Propellants, Properties of

Fuel Effects on Gas Turbine Combustion-Liner Temperature, Pattern Factor, and Pollutant Emissions C84-148
Heating Experiments for Flowability Improvement of Near-Freezing Aviation Fuel C84-045

Structural Mechanics and Materials

Aeroelasticity and Hydroelasticity

Flutter Characteristics of High Aspect Ratio Tailless Aircraft C84-124
Application of Transonic Codes to Aeroelastic Modeling of Airfoils Including Active Controls C84-108
A Method for Predicting Wing Response to Buffet Loads C84-013
Aeroelastic Flutter and Divergence of Stiffness Coupled, Graphite/Epoxy Cantilevered Plates C84-010
Computations and Aeroelastic Applications of Unsteady Transonic Aerodynamics About Wings C84-005
Aeroelastic Divergence of Unrestrained Vehicles C81-195

Structural Composite Materials

Collapse Analysis of Cylindrical Composite Panels with Cutouts C84-123
Design Integration of Laminar Flow Control for Transport Aircraft C84-106
Noise Transmission Characteristics of Advanced Composite Structural Materials C84-092
Fracture, Longevity, and Damage Tolerance of Graphite/Epoxy Filamentary Composite Material C84-011
Aeroelastic Flutter and Divergence of Stiffness Coupled, Graphite/Epoxy Cantilevered Plates C84-010

Structural Design

Analytical Comparison of Two Wing Structures for Mach 5 Cruise Airplanes C84-048
Elastic-Plastic Behavior of Coldworked Holes C84-035

Structural Durability (including Fatigue and Fracture)

J Integral Finite Element Analysis for Three-Dimensional Cracks C84-149
Improved Damage-Tolerance Analysis Methodology C84-122
Fatigue and Crack Propagation Analysis of Mechanically Fastened Joints C84-041
Elastic-Plastic Behavior of Coldworked Holes C84-035
Fracture, Longevity, and Damage Tolerance of Graphite/Epoxy Filamentary Composite Material C84-011

Structural Dynamics

Bending Effects on Structural Dynamic Instabilities of Transonic Wings C84-151
Flutter Characteristics of High Aspect Ratio Tailless Aircraft C84-124
Recent Developments in the F-16 Flutter Suppression with Active Control Program C84-121
Analytical and Experimental Investigation of Bird Impact on Fan and Compressor Blading C84-091
Wind Tunnel Correlation Study of Aerodynamic Modeling for F/A-18 Wing-Store Tip-Missile Flutter C84-056
The Coupled Response of Turbomachinery Blading to Aerodynamic Excitations C84-049
Equivalence of Damping from Flight Flutter Test Evaulation and Eigenvalue Calculation C84-030

Structural Stability

Collapse Analysis of Cylindrical Composite Panels with Cutouts C84-123

Structural Statics

Elastic-Plastic Behavior of Coldworked Holes C84-035

Thermal Stresses

Analytical Comparison of Two Wing Structures for Mach 5 Cruise Airplanes C84-048

Thermophysics and Thermochemistry

Thermal Modeling and Analysis

Thermodynamic Performance of an Airplane Wing Leading Edge Anti-Icing System C84-093

Author Index

Amin, N. F., C84-067
Anderson, J. D., Jr., C84-078
Ando, Y., C84-073
Andrisani, D., II, C84-063
Aoyagi, K., C84-086
Arman, H., C84-035
Ashenberg, J., C84-015
Ashkenas, I. L., C84-051
Atias, M., C84-131
Balombin, J. R., C84-026
Banach, H. J., C84-043
Banerjee, J. R., C84-124
Barton, J. M., C84-126
Batina, J. T., C84-108
Batterson, J. G., C84-088
Bedard, A. J., Jr., C84-164
Bell, W.A., C84-047
Benishek, L. C., C84-014
Biringen, S., C84-044
Bland, S. R., C84-037
Boasson, M., C84-025
Bolding, R. M., C84-121
Bolukbasi, A. O., C84-090
Boston, D.W., C84-029
Bowles, R. L., C84-145
Boyless, J. A., C84-023
Bragg, M. B., C84-089
Burke, J. D., C84-158
Butts, D. C., C84-023
Cagliostro, D. E., C84-162
Calarese, W., C84-021
Calico, R.A., C84-036
Camp, D., C84-033
Campbell, C. W., C84-158
Campbell, G. S., C84-074
Campbell, W., C84-033
Cashar, E.E., C84-029
Cenko, A., C84-135, C84-137
Cerro, J. A., C84-048
Chakravarthy, S. R., C84-151
Chang, H.-P., C84-134
Chang, J. B., C84-122
Chelekis, R.M., C84-001
Chen, A.W., C84-031
Chen, R. T.N., C84-002
Cheng, P., C84-084
Chestnutt, D., C84-082
Chin, W. C., C84-031
Chipman, R., C84-109
Cho, T. H., C84-078
Chou, S.-T., C84-102
Christopher, P. A. T., C84-115
Cohen, M. J., C84-128
Cole, J. D., C84-151
Cole, J.D., C84-046
Consigny, H., C84-117
Cooper, W. A., C84-120
Cope, D.A., C84-029
Cross, E. J., Jr., C84-138
Culy, D. G., C84-083, C84-099
Cunningham, H. J., C84-070
Dadone, L., C84-006, C84-012
Daley, D. C., C84-139
Davis, R. E., C84-143
Dietenberger, M. A., C84-161
Dietrich, D. A., C84-080
DiRusso, E., C84-107
Dodbele, S. S., C84-081
Dowell, E.H., C84-022
Dugundji, J., C84-010
Duke, E. L., C84-130
Eastep, F. E., C84-152
Eastep, F.E., C84-036
Edwards, J. W., C84-037
Eidinoff, H.L., C84-035
Elle, B. J., C84-066
Elmore, K. L., C84-134
Englar, R. J., C84-085
Engle, R. M., C84-122
Ericsson, L. E., C84-040, C84-104
Ericsson, L.E., C84-054, C84-055
Eriksson, L., C84-144
Faiss, G.D., C84-068
Finley, D. B., C84-014
Fisher, B. D., C84-105
Fleeter, S., C84-049
Fornasier, L., C84-042
Friedman, R., C84-045
Frost, W., C84-033, C84-134, C84-145
Fujimori, Y., C84-061
Garberoglio, J. E., C84-103
Gearhart, W.S., C84-058
George, A. R., C84-102
Gerlach, J. C., C84-105
Giesing, J. P., C70-001
Glaser, F. W., C84-114
Glover, B.M., Jr., C84-029
Goebel, T. P., C84-151
Goorjian, P. M., C84-119
Goorjian, P.M., C84-005
Gossen, J. J., C84-083
Gravelle, A., C84-117
Greitzer, E. M., C84-084
Grosveld, F. W., C84-092
Grunnet, J. L., C84-118
Gunness, R. C., C84-099
Guruswamy, P., C84-005, C84-119
Haas, M. W., C84-110
Hahne D. E., C84-129
Haines, P., C83-019
Hall, G.F., C84-039
Haller, R. L., C84-121
Harasgama, S. P., C84-111
Hathaway, W.H., C84-001
Hermann, P. J., C84-014
Hirschel, E.H., C84-003
Hitzel, S. M., C84-127
Holdeman, J. D., C84-143
Hollowell, S. J., C84-010
Horsten, J. J., C84-150
Hoyniak, D., C84-049
Hreha, M.A., C84-009
Hubbard, J. E., Jr., C84-059
Huson, G. G., C84-085
Inger, G.R., C84-064
Jackson, L.Robert, C84-048
Jacob, K., C84-020
Jacobson, I. D., C84-028
Jakubowski, A. K., C84-086
Jameson, A., C84-141
Janisse, T. C., C84-123
Jasperson, W. H., C84-143
Jones, F. P., C84-130
Jumper, E. J., C84-139
Katz, J., C84-004, C84-076
Keith,Michael W., C84-034
Kentfield, J.A.C., C84-060
Khan, M.M.S., C84-064
Killian, M. J., C84-096
Klein, J. R., C84-129
Klein, V., C84-088
Kobayashi, S., C84-077
Korkan, K. D., C84-138
Korkan, K.D., C84-006, C84-012
Koval, L. R., C84-092
Kromer, S. L., C84-080
Kuhlman, J. M., C84-038
Kuhn, P. M., C84-133
Kurkowski, R. L., C84-133
Kwan, A., C84-071
Laananen, D. H., C84-090
Laitone, E.V., C84-050
Lange, R. H., C84-106
Larson, E. S., C84-007
Lee, B.H.K., C84-013, C84-075
Lefebvre, A. H., C84-148
Leighton, K. P., C84-059
Lekoudis, S. G., C84-153
Lekoudis, S.G., C84-064
Lepicovsky, J., C84-047
Lester, H. C., C84-087
Leung, E., C84-071
Levin, D., C84-004, C84-076
Levy, A., C84-035
Lin, J. C., C84-165
Liu, A.F., C84-041
Loth, J. L., C84-025
Lottati, I., C84-140

Lucas, J. G., C84-114
Luers, J., C83-019
Lutze, F.H., C84-009
Maekawa, S., C84-061
Mahapatra, P. R., C84-142
Maier, R. A., C84-096
Malmuth, N. D., C84-151
Malmuth, N.D., C84-046
Mannheimer, R.J., C84-057
Mar, J. W., C84-011
Mason, W., C84-137
Matsuo, H., C84-095
Matsuo, K., C84-095
Matsuzaki, Y., C84-073
Mazur, V., C84-105
McCarthy, J., C84-134
McGeer, T., C84-147
McMasters, J. H., C84-032
Meijer, J. J., C84-150
Melton, R. G., C84-028
Mercadante, R., C84-109
Miley, S. J., C84-159
Miller, D. S., C84-116, C84-129
Miller, T. L., C84-138
Miranda, L. R., C84-062
Modi, V.J., C84-071
Molinaro, R., C84-117
Morris, C. E. K., Jr., C84-163
Mueller, T. J., C84-113
Murillo, L. E., C84-032
Murman, E. M., C84-008
Murrow, H., C84-033
Nagabhushan, B.L., C84-068
Nagashima, T., C84-052
Nastrom, G. D., C84-143
Niedling, L. G., C84-129
Nimmer, R. P., C84-091
Noll, T.E., C84-036
Oetting, R. B., C84-097
Ohman, L.H., C84-075
Painter, W., C84-033
Palazotto, A. N., C84-123
Pamadi, B. N., C84-160
Parrott, T. L., C84-087
Patterson, G. K., C84-097
Peloubet, R. P., Jr., C84-121
Persoon, A. J., C84-150
Peters, J. E., C84-132
Pittman, J. L., C84-136
Plotkin, A., C84-081
Pohlen, L. J., C84-113
Polhamus, E. C., C84-098
Politovich, M. K., C84-120
Powell, C. A., C84-092
Preisser, J. S., C84-082, C84-087
Prell, M. E., C84-084
Radford, R. C., C84-063
Radwan, S. F., C84-153
Raj, P., C84-027
Rajen, G., C83-019
Rand, O., C84-072
Ravenhall, R., C84-091
Raymer, D. P., C84-096
Reding, J. P., C84-040, C84-104
Reding, J.P., C84-054
Rehfeldt, S. C., C84-014
Reynolds, C. N., C84-043
Rhodes, M., C84-024
Richards, C. J., C84-067
Ricketts, R. H., C84-101
Ries, T., C84-071
Rimer, M., C84-109
Rizk, M. H., C84-008
Rizzi, A., C84-144
Rodden, W. P., C70-001, C81-195
Rosen, A., C84-072
Rosen, B., C84-137
Rosen, B. S., C84-146
Ross, R., C84-093
Roussos, L. A., C84-092
Rowe, W. S., C84-070
Sanborn, V. A., C84-158
Sand, W. R., C84-120
Sandford, M. C., C84-101
Sankar, N. L., C84-153
Sano, M., C84-061
Schairer, E. T., C84-069
Schetz, J. A., C84-086
Schmidt, W., C84-127
Schweitzer, J. K., C84-103
Scotti, S. J., C84-048
Seidel, D. A., C84-101
Selberg, B. P., C84-024
Selberg,Bruce P., C84-034
Shaw, C. T., C84-115
Shaw, R.J., C84-006, C84-012
Shu, J., C84-038
Siclari, M., C84-137
Siclari, M. J., C84-136
Sokhey, J. S., C84-100
Stark, V. J.E., C84-030
Staufenbiel, R. W., C84-125
Stevens, S. J., C84-111
Stockemer, F. J., C84-045
Stockman, N. O., C84-080
Storace, A. F., C84-091
Tan, C. S., C84-084
Tanida, Y., C84-052
Taverna, F., C84-112
Taylor, A. H., C84-048
Taylor, L. W., Jr., C84-160
Tinoco, E. N., C84-135
Tinoco, E.N., C84-031
Tishler, V. A., C84-152
Triplett, W. E., C84-056
Tustaniwsky, J., C84-135
Ueda, T., C84-022
Unruh, J.F., C84-065
Uselton, R.L., C84-001
van den Broek, G. J., C84-053, C84-094
Veal, D. L., C84-120
Venkayya, V. B., C84-152
Visich, M., C84-137
Walsh, M. J., C84-165
Wang, G., C84-149
Waraniak, J.M., C84-041
Ward, D. T., C84-159
Watson, J. J., C84-101
Weihs, D., C84-015, C84-131
Whitfield, D. L., C84-141
Winchenbach,G.L., C84-001
Wittmeyer, H., C84-030
Wood, R. M., C84-116, C84-129
Woodward, R. P., C84-026, C84-114
Wray, P., C84-111
Wu, C.C., C84-046
Yang, T. Y., C84-108
Zrnic, D. S., C84-142

Chronological Index

C70-001 Application of Oscillatory Aeodynamic Theory Estimation of Dynamic Stability Derivatives. William P. Rodden, *The MacNeal-Schwendler Corporation*; and Joseph P. Giesing, *McDonnell Douglas Corporation* (7, 3, p. 272) Engineering Note
Errata (21, 1, p. 93)

C81-195 Aeroelastic Divergence of Unrestrained Vehicles. William P. Rodden, *La Canada Flintridge* (18, 12, p. 1072) Engineering Note
Errata (21, 1, p. 94)

C83-019 Aerodynamic Penalties of Heavy Rain on Landing Airplanes. P. Haines and J. Luers, *University of Dayton Research Institute* (20, 2, p. 111) Article
Technical Comment by Gaurav Rajen, *Indian Institute of Technology* (21, 1, p. 92)
Reply (21, 1, p. 92)

C84-001 Free-Flight and Wind-Tunnel Data for a Generic Fighter Configuration. Winchenbach,G.L., *Eglin Air Force Base*; R.L. Uselton, *Calspan Field Services*; W.H. Hathaway, *General Electric Company*; and R.M. Chelekis, *Air Force Armament Laboratory* (21, 1, p. 3) Article based on AIAA Paper 82-1365

C84-002 Flight Dynamics of Rotorcraft in Steep High-g Turns. Robert T.N. Chen, *NASA Ames Research Center* (21, 1, p. 14) Article based on AIAA Paper 82-1345

C84-003 Computation of Three-Dimensional Boundary Layers on Fuselages. E.H. Hirschel, *Messerschmitt-Bolkow-Blohm GmbH* (21, 1, p. 23) Article

C84-004 Dynamic Load Measurements with Delta Wings Undergoing Self-Induced Roll Oscillations. Daniel Levin and Joseph Katz, *Technion--Israel Institute of Technology* (21, 1, p. 30) Article

C84-005 Computations and Aeroelastic Applications of Unsteady Transonic Aerodynamics About Wings. P. Guruswamy, *Informatics General Corporation*; and P.M. Goorjian, *NASA Ames Research Center* (21, 1, p. 37) Article based on AIAA Paper 82-0690 CP823

C84-006 Performance Degradation of Propeller Systems Due to Rime Ice Accretion. K.D. Korkan, *Texas A & M University*; L. Dadone, *Boeing Vertol Company*; and R.J. Shaw, *NASA Lewis Research Center* (21, 1, p. 44) Article based on AIAA Paper 82-0286

C84-007 Aerodynamics of Very Slender Rectangular Wing Bodies to High Incidence. Erik S. Larson, *Aeronautical Research Institute of Sweden* (21, 1, p. 50) Article

C84-008 Wind Tunnel Wall Interference Corrections for Aircraft Models in the Transonic Regime. Magdi H. Rizk, *Flow Industries Inc.*; and Earll M. Murman, *Flow Indutries Inc.* (21, 1, p. 54) Article

C84-009 A Dynamic Model for Aircraft Poststall Departure. M.A. Hreha and F.H. Lutze, *Virginia Polytechnic Institute and State University* (21, 1, p. 62) Article

C84-010 Aeroelastic Flutter and Divergence of Stiffness Coupled, Graphite/Epoxy Cantilevered Plates. Steven J. Hollowell, *Flight Dynamics Laboratory, Wright-Patterson AFB*; and John Dugundji, *Massachusetts Institute of Technology* (21, 1, p. 69) Article based on AIAA Paper 82-0722

C84-011 Fracture, Longevity, and Damage Tolerance of Graphite/Epoxy Filamentary Composite Material. James W. Mar, *Massachusetts Institute of Technology* (21, 1, p. 77) Article

C84-012 Helicopter Rotor Performance Degradation in Natural Icing Encounter. K.D. Korkan, *Texas A & M University*; L. Dadone, *Boeing Vertol Company*; and R.J. Shaw, *NASA Lewis Research Center* (21, 1, p. 84) Engineering Note

C84-013 A Method for Predicting Wing Response to Buffet Loads. B.H.K. Lee, *National Aeronautical Establishment, National Research Council Canada* (21, 1, p. 85) Engineering Note

C84-014 Airfoil Probe for Angle-of-Attack Measurement. Paul J. Hermann, *Iowa State University*; Dennis B. Finley, *General Dynamics Corporation*; Steven C. Rehfeldt, *McDonnell Douglas Astronautics Company*; and Lowell C. Benishek, *McDonnell Douglas Technical Services Company* (21, 1, p. 87) Engineering Note

C84-015 Minimum Induced Drag of Wings with Curved Planform. J. Ashenberg and D. Weihs, *Technion--Israel Institute of Technology* (21, 1, p. 89) Engineering Note

C84-020 Computation of the Flow Around Wings with Rear Separation. K. Jacob, *German Aerospace Research Establishment* (21, 2, p. 97) Synoptic

C84-021 Close-Coupled Canard-Wing Vortex Interaction. Wladimiro Calarese, *Wright-Patterson Air Force Base* (21, 2, p. 99) Synoptic based on AIAA Paper 82-1368

C84-022 Flutter Analysis Using Nonlinear Aerodynamic Forces. T. Ueda and E.H. Dowell, *Princeton University* (21, 2, p. 101) Article based on AIAA Paper 82-0728 CP823

C84-023 F100 Engine Diagnostic System (EDS)--Summary of Results. James A. Boyless, *US Air Force Academy*; and Dwell C. Butts, *Wright-Patterson AFB* (21, 2, p. 110) Article based on AIAA Paper 81-1448

C84-024 Benefits of Dual Wings over Single Wings for High-Performance Business Airplanes. Mark,D. Rhodes and Bruce P. Selberg, *University of Missouri* (21, 2, p. 116) Article

C84-025 Circulation Controlled STOL Wing Optimization. John L. Loth and Michael Boasson, *W.Virginia University* (21, 2, p. 128) Article based on AIAA Paper 83-0082

C84-026 Tone Generation by Rotor-Downstream Strut Interaction. Richard P. Woodward and Joseph R. Balombin, *NASA Lewis Research Center* (21, 2, p. 135) Article

C84-027 A Multi-Grid Method for Transonic Wing Analysis and Design. Pradeep Raj, *Lockheed-California Company* (21, 2, p. 143) Article

C84-028 The Fallacy of Using NII in Analyzing Aircraft Operations. Robert G. Melton, *Pennsylvania State University*; and Ira D. Jacobson, *The University of Virginia* (**21**, 2, p. 151) Article

C84-029 A Computer System for Aircraft Flyover Acoustic Data Aquisition and Analysis. D.W. Boston, E.E. Cashar, D.A. Cope and B.M. Glover Jr., *The Boeing Company* (**21**, 2, p. 155) Article
Errata (**21**, 6, p. 448)

C84-030 Equivalence of Damping from Flight Flutter Test Evaulation and Eigenvalue Calculation. Valter J.E. Stark, *Saab Scania AB*; and Helmut Wittmeyer, *Consultant* (**21**, 2, p. 159) Engineering Note

C84-031 PAN AIR Applications to Aero-Propulsion Integration. A.W. Chen and E.N. Tinoco, *Boeing Commercial Airplane Company* (**21**, 3, p. 161) Article based on AIAA Paper 83-1368
Technical Comment by Wilson C. Chin, *Applied Aero-Nalysis* (**21**, 11, p. 927)
Reply (**21**, 11, p. 927)

C84-032 A Method for Predicting Low-Speed Aerodynamic Characteristics of Transport Aircraft. Luis E. Murillo and John H. McMasters, *Boeing Commercial Airplane Company* (**21**, 3, p. 168) Article based on AIAA Paper 82-1845

C84-033 NASA's B-57B Gust Gradient Program. Dennis Camp and Warren Campbell, *NASA Marshall Space Flight Center*; Walter Frost, *University of Tennessee Space Institute*; Harold Murrow, *NASA Langley Research Center*; and Wenneth Painter, *NASA Dryden Flight Research Facility* (**21**, 3, p. 175) Article based on AIAA Paper 83-0208

C84-034 Aerodynamic Design Optimization Trim Analysis of Canard Conventional Configurations. Keith,Michael W. and Selberg,Bruce P., *University of Missouri-Rolla* (**21**, 3, p. 183) Article

C84-035 Elastic-Plastic Behavior of Coldworked Holes. H. Arman, Alvin Levy and H.L. Eidinoff, *Grumman Aerospace Corporation* (**21**, 3, p. 193) Article based on AIAA Paper 83-0865 CP831

C84-036 Active Suppression of Aeroelastic Instabilities on a Forward-Swept Wing. T.E. Noll, *Air Force Wright Aeronautical Laboratories*; F.E. Eastep, *University of Dayton*; and R.A. Calico, *Air Force Institute of Technology* (**21**, 3, p. 202) Article

C84-037 Airfoil Shape and Thickness Effects on Transonic Airloads and Flutter. Samuel R. Bland and John W. Edwards, *NASA Langley Research Center* (**21**, 3, p. 209) Article

C84-038 Potential Flow Past Axisymmetric Bodies at Angle of Attack. John M. Kuhlman and Jin-Yea Shu, *Old Dominion University* (**21**, 3, p. 218) Engineering Note

C84-039 Modifying TRANDES to Obtain Given Lift Coefficient. G.F. Hall, *Texas A & M University* (**21**, 3, p. 220) Engineering Note

C84-040 Analytic Extrapolation to Full-Scale Aircraft Dynamics. Lars E. Ericsson, *Lockheed Missiles & Space Company*; and J. Peter Reding, *Lockheed Missles & Space Company* (**21**, 3, p. 222) Engineering Note

C84-041 Fatigue and Crack Propagation Analysis of Mechanically Fastened Joints. J.M. Waraniak and A.F. Liu, *Northrop Corporation* (**21**, 4, p. 225) Synoptic based on AIAA Paper 83-0839 CP831

C84-042 Treatment of Supersonic Configurations by an Updated Low-Order Panel Method. Luciano Fornasier, *Messerschmitt-Bolkow-Blohm,GmbH* (**21**, 4, p. 227) Article based on AIAA Paper 83-0010

C84-043 Turboprop Engine Propulsion for the 1990's. Henry J. Banach and Charles N. Reynolds, *Pratt & Whitney Aircraft Group* (**21**, 4, p. 238) Article based on AIAA Paper 81-1648

C84-044 Numerical Simulation of Two-Dimensional Inlet Flowfields. S. Biringen, *Old Dominion University* (**21**, 4, p. 244) Article based on AIAA Paper 81-0187

C84-045 Heating Experiments for Flowability Improvement of Near-Freezing Aviation Fuel. Robert Friedman, *NASA Lewis Research Center*; and Francis J. Stockemer, *Lockheed-California Company* (**21**, 4, p. 250) Article based on AIAA Paper 82-1234

C84-046 Slender Body Theory and Optimization Procedures for Transonic Lifting Wing Bodies. N.D. Malmuth, *Rockwell International Science Center*; C.C. Wu, *University of California at Los Angeles*; and J.D. Cole, *Rensselaer Polytechnic Institute* (**21**, 4, p. 256) Article based on AIAA Paper 83-0184

C84-047 Aerodynamic Measurements About a Rotating Propeller with a Laser Velocimeter. J. Lepicovsky and W.A. Bell, *Lockheed-Georgia Company* (**21**, 4, p. 264) Article based on AIAA Paper 83-1354

C84-048 Analytical Comparison of Two Wing Structures for Mach 5 Cruise Airplanes. Allan H. Taylor and L.Robert Jackson, *NASA Langley Research Center*; Jeffrey A. Cerro, *Kentron International Inc.*; and Stephen J. Scotti, *Kentron Internatioal Inc.* (**21**, 4, p. 272) Article

C84-049 The Coupled Response of Turbomachinery Blading to Aerodynamic Excitations. Daniel Hoyniak and Sanford Fleeter, *Purdue University* (**21**, 4, p. 278) Article based on AIAA Paper 83-0844 CP831

C84-050 Rate of Climb for Light Propeller Powered Airplanes. E.V. Laitone, *University of California* (**21**, 4, p. 287) Engineering Note

C84-051 Twenty-five Years of Handling Qualities Research. Irving L. Ashkenas, *Systems Technology,Inc.* (**21**, 5, p. 289) Survey Paper based on AIAA Paper 82-1353

C84-052 Aerodynamic Response of Airfoils in Sinusoidal Oblique Gust. T. Nagashima and Y. Tanida, *University of Tokyo* (**21**, 5, p. 302) Article

C84-053 The Use of a Panel Method in the Prediction of External Store Separation. Gerrit J. van den Broek, *National Institute of Aeronautics and Systems Technology* (**21**, 5, p. 309) Article

C84-054 Shock-Induced Dynamic Stall. L.E. Ericsson and J.P. Reding, *Lockheed Missiles & Space Company* (**21**, 5, p. 316) Article

C84-055 The Fluid Mechanics of Slender Wing Rock. L.E. Ericsson, *Lockheed Missiles & Space Company* (**21**, 5, p. 322) Article based on AIAA Paper 82-1320

C84-056 Wind Tunnel Correlation Study of Aerodynamic Modeling for F/A-18 Wing-Store Tip-Missile Flutter. William E. Triplett, *McDonnell Aircraft Company* (**21**, 5, p. 329) Article

C84-057 Feasibility of a Full-Scale Degrader for Antimisting Kerosene. R.J. Mannheimer, *Southwest Research Institute* (21, 5, p. 335) Article based on AIAA Paper 83-1137

C84-058 Proposed Arrangement to Improve Turboprop Efficiency. W.S. Gearhart, *Pennsylvania State University* (21, 5, p. 341) Article based on AIAA Paper 83-0059

C84-059 Comparison of Model Helicopter Rotor Primary and Secondary Blade/Vortex Interaction Blade Slap. James E. Hubbard Jr. and Kenneth P. Leighton, *Masschusetts Institute of Technology* (21, 5, p. 346) Article based on AIAA Paper 83-0723

C84-060 Short,Multi-Step, Afterbody Fairings. J.A.C. Kentfield, *University of Calgary* (21, 5, p. 351) Engineering Note

C84-061 Design and Experimental Verification of the USB Flap Panel Structure for NAL-STOL Research Aircraft. Masaaki Sano, *National Aerospace Laboratory*; Yoshinori Fujimori, *National Space Development Agency of Japan*; and Shoji Maekawa, *Kawasaki Heavy Industries Ltd.* (21, 6, p. 353) Synoptic

C84-062 Application of Computational Aerodynamics to Airplane Design. Luis R. Miranda, *Lockheed-California Company* (21, 6, p. 355) Survey Paper based on AIAA Paper 82-0018

C84-063 An Experimental Investigation of VTOL Flying Qualities Requirements in Shipboard Landings. Robert C. Radford, *Calspan Advanced Technology Center*; and Dominick Andrisani II, *Purdue University* (21, 6, p. 371) Article based on AIAA Paper 80-1625

C84-064 Computation of Transonic Flow Around Airfoils with Trailing Edge and Shock/Boundary Layer Interactions. M.M.S. Khan, *Lockheed-Georgia Company*; G.R. Inger, *University of West Virginia*; and S.G. Lekoudis, *Georgia Institute of Technology* (21, 6, p. 380) Article based on AIAA Paper 82-0989

C84-065 Specification, Design, and Test of Aircraft Engine Isolators for Reduced Interior Noise. J.F. Unruh, *Southwest Research Institute* (21, 6, p. 389) Article

C84-066 Worldwide Aviation Outlook. Bjorn J. Elle, *International Civil Aviation Organization* (21, 6, p. 397) Article based on AIAA Paper 83-1597

C84-067 Thrust Reverser Exhaust Plume Reingestion Model Tests. Nasim F. Amin and Clifford J. Richards, *Northrop Corporation* (21, 6, p. 401) Article based on AIAA Paper 83-1229

C84-068 Thrust Vector Control of a V/STOL Airship. B.L. Nagabhushan and G.D. Faiss, *Goodyear Aerospace Corporation* (21, 6, p. 408) Article

C84-069 Two-Dimensional Wind-Tunnel Interference from Measurements on Two Contours. Edward T. Schairer, *NASA Ames Research Center* (21, 6, p. 414) Article

C84-070 On the Convergence of Unsteady Generalized Aerodynamic Forces. William S. Rowe, *Boeing Commercial Airplane Company*; and Herbert J. Cunningham, *NASA Langley Research Center* (21, 6, p. 420) Article

C84-071 Aerodynamics of Pointed Forebodies at High Angles of Attack. V.J. Modi, *The The University of British Columbia*; T. Ries, A. Kwan and E. Leung, *The University of British Columbia* (21, 6, p. 428) Article

C84-072 Efficient Method for Calculating the Axial Velocities Induced Along Rotating Blades by Trailing Helical Vortices. O. Rand and A. Rosen, *Technion--Israel Institute of Technology* (21, 6, p. 433) Engineering Note

C84-073 Divergence Boundary Prediction from Random Responses: NAL's Method. Yuji Matsuzaki and Yasukatsu Ando, *National Aerospace Laboratory* (21, 6, p. 435) Engineering Note

C84-074 Calculation of Potential Flow Past Simple Bodies Using Axial Sources and a Least-Squares Method. George S. Campbell (21, 6, p. 437) Engineering Note

C84-075 Unsteady Pressures and Forces During Transonic Buffeting of a Supercritical Airfoil. B.H.K. Lee, *National Aeronautical Establishment*; and L.H. Ohman, *National Aeronatical Establishment* (21, 6, p. 439) Engineering Note
Errata (21, 11, p. 928)

C84-076 Measurements of Ground Effect for Delta Wings. Joseph Katz and Daniel Levin, *Technion--Israel Institute of Technology* (21, 6, p. 441) Engineering Note

C84-077 Profile Drag from Laser-Doppler Velocimeter Measurement. Sukeyuki Kobayashi, *ORI,Inc.* (21, 6, p. 444) Engineering Note

C84-078 Engineering Analysis of Drooped Leading-Edge Wings Near Stall. Tae Hwan Cho and John D. Anderson Jr., *University of Maryland* (21, 6, p. 446) Engineering Note

C84-080 Compressibility Correction for Flow About Wing Surfaces. D. A. Dietrich, S. L. Kromer and N. O. Stockman, *General Electric Company* (21, 7, p. 449) Synoptic based on AIAA Paper 83-0183

C84-081 Prediction of Vortex Lift on Interacting Delta Wings in Incompressible Flow. S. S. Dodbele and A. Plotkin, *University of Maryland* (21, 7, p. 451) Synoptic based on AIAA Paper 84-0136

C84-082 Flight Effects on Fan Noise with Static and Wind-Tunnel Comparisons. John S. Preisser and David Chestnutt, *NASA Langley Research Center* (21, 7, p. 453) Article based on AIAA Paper 83-0678

C84-083 Monte Carlo Simulation of the Engine Development Process. D. G. Culy and J. J. Gossen, *Garrett Turbine Engine Company* (21, 7, p. 462) Article based on AIAA Paper 83-1405

C84-084 Effects of Compressor Hub Treatment and Stator Stall and Pressure Rise. P. Cheng, M. E. Prell, E. M. Greitzer and C. S. Tan, *Massachusetts Institute of Technology* (21, 7, p. 469) Article
Errata (21, 11, p. 928)

C84-085 Development of Advanced Circulation Control Wing High-Lift Airfoils. Robert J. Englar, *David Taylor Naval Ship Research and Development Center*; and Gregory G. Huson, *David Taylor Naval Ship Research and Development* (21, 7, p. 476) Article

C84-086 Surface Pressures on a Flat Plate with Dual Jet Configurations. Joseph A. Schetz and Antoni K. Jakubowski, *Virginia Polytechnic Institute and State University*; and Kiyoshi Aoyagi, *NASA Ames Research Center* (21, 7, p. 484) Article

C84-087 Design and Flight Test of a Kevlar Acoustic Liner. Harold C. Lester, John S. Preisser and Tony L. Parrott, *NASA Langley Research Center* (21, 7, p. 491) Article based on AIAA Paper 83-0781

C84-088 Parameter Identification Applied to the Oscillatory Motion of an Airplane Near Stall. James G. Batterson, *NASA Langley Research Center*; and Vladislav Klein, *JIAFS/GWU Langley Research Center* (**21**, 7, p. 498) Article

C84-089 Effect of Geometry on Airfoil Icing Characteristics. Michael, B. Bragg, *Ohio State University* (**21**, 7, p. 505) Article

C84-090 Nonlinear Finite Element Method in Crashworthiness Analysis of Aircraft Seats. Akif O. Bolukbasi, *Simula Incorporated*; and David H. Laananen, *Arizona State University* (**21**, 7, p. 512) Article based on AIAA Paper 83-0926

C84-091 Analytical and Experimental Investigation of Bird Impact on Fan and Compressor Blading. A. F. Storace, R. P. Nimmer and R. Ravenhall, *General Electric Company* (**21**, 7, p. 520) Article based on AIAA Paper 83-0954

C84-092 Noise Transmission Characteristics of Advanced Composite Structural Materials. Louis A. Roussos and Clemans A. Powell, *NASA Langley Research Center*; Ferdinand W. Grosveld, *Bionetics Corporation*; and L. R. Koval, *University of Missouri* (**21**, 7, p. 528) Article based on AIAA Paper 83-0694

C84-093 Thermodynamic Performance of an Airplane Wing Leading Edge Anti-Icing System. R. Ross, *Ross Aviation Associates* (**21**, 7, p. 536) Engineering Note

C84-094 Application of Panel Methods in External Store Load Calculations. Gerrit J. van den Broek, *National Institute for Aeronautics and Systems Technology* (**21**, 7, p. 537) Engineering Note

C84-095 A Nonlinear Analysis of the Cushion Stability of Slowly Oscillating ACV's. Hideo Matsuo, *Kumamoto University*; and Kensuke Matsuo, *Kumamoto Institute of Technology* (**21**, 7, p. 539) Engineering Note

C84-096 An Inverse Solution for Component Positioning Using Homogeneous Coordinate Transformations. D. P. Raymer and R. A. Maier, *Rockwell International*; and M. J. Killian, *Rockwell Internatuional* (**21**, 7, p. 541) Engineering Note based on AIAA Paper 83-2460

C84-097 A Method for Measuring Skin Friction Drag on a Flat Plate in Contaminated Gas Flows. R. B. Oetting and G. K. Patterson, *University of Missouri* (**21**, 7, p. 543) Engineering Note

C84-098 Applying Slender Wing Benefits to Military Aircraft (Wright Brothers Lecture). Edward C. Polhamus, *NASA Langley Research Center* (**21**, 8, p. 545) Article based on AIAA Paper 83-2566

C84-099 A Cost Modeling Approach to Engine Optimization. D. G. Culy and R. C. Gunness, *Garrett Turbine Engine Company* (**21**, 8, p. 560) Article

C84-100 Experimental Performance Evaluation of Ventilated Mixers--A New Mixer Concept for High-Bypass Turbofan Engines. J. S. Sokhey, *Boeing Commercial Airplane Company* (**21**, 8, p. 567) Article based on AIAA Paper 82-1136

C84-101 Transonic Pressure Distributions on a Rectangular Supercritical Wing Oscillating in Pitch. Rodney H. Ricketts, Maynard C. Sandford, David A. Seidel and Judith J. Watson, *NASA Langley Research Center* (**21**, 8, p. 576) Article based on AIAA Paper 83-0923

C84-102 Comparison of Broadband Noise Mechanisms, Analyses, and Experiments on Rotors. A. R. George and S.-T. Chou, *Cornell University* (**21**, 8, p. 583) Article based on AIAA Paper 83-0690

C84-103 Maximum Loading Capability of Axial Flow Compressors. J. K. Schweitzer and J. E. Garberoglio, *Pratt & Whitney Aircraft* (**21**, 8, p. 593) Article based on AIAA Paper 30300

C84-104 Unsteady Flow Concepts for Dynamic Stall Analysis. L. E. Ericsson and J. P. Reding, *Lockheed Missiles & Space Company* (**21**, 8, p. 601) Article based on AIAA Paper 82-1324

C84-105 Lightning Strikes to an Airplane in a Thunderstorm. Vladislav Mazur, *University of Oklahoma*; Bruce D. Fisher, *NASA Langley Research Center*; and John C. Gerlach, *NASA Goddard Space Flight Center* (**21**, 8, p. 607) Article based on AIAA Paper 84-0468

C84-106 Design Integration of Laminar Flow Control for Transport Aircraft. Roy H. Lange, *Lockheed-Georgia Company* (**21**, 8, p. 612) Article based on AIAA Paper 83-2440

C84-107 Feasibility Analysis of a Spiral Groove Ring Seal for Counter-Rotating Shafts. Eliseo DiRusso, *NASA Lewis Research Center* (**21**, 8, p. 618) Article

C84-108 Application of Transonic Codes to Aeroelastic Modeling of Airfoils Including Active Controls. J. T. Batina and T. Y. Yang, *Purdue University* (**21**, 8, p. 623) Article

C84-109 Divergence/Flutter Suppression System for a Forward Swept-Wing Configuration with Wing-Mounted Stores. M. Rimer, R. Chipman and R. Mercadante, *Grumman Aerospace Corporation* (**21**, 8, p. 631) Article

C84-110 Visually Coupled Systems as Simulation Devices. Michael W. Haas, *Air Force Aerospace Medical Research Laboratory* (**21**, 8, p. 639) Engineering Note

C84-111 The Influence of Blade Wakes on the Performance of Combustor Shortened Prediffusers. S. J. Stevens and S. P. Harasgama, *University of Technology*; and P. Wray, *Rolls-Royce Ltd.* (**21**, 9, p. 641) Article based on AIAA Paper 81-1387

C84-112 Advanced Airfoil Design for General Aviation Propellers. Frank Taverna, *Grumman Aerospace Corporation* (**21**, 9, p. 649) Article based on AIAA Paper 83-1791

C84-113 Boundary Layer Characteristics of the Miley Airfoil at Low Reynolds Numbers. Lawrence J. Pohlen and Thomas J. Mueller, *University of Notre Dame* (**21**, 9, p. 658) Article

C84-114 Low Flight Speed Fan Noise from a Supersonic Inlet. Richard P. Woodward, Frederick W. Glaser and James G. Lucas, *NASA Lewis Research Center* (**21**, 9, p. 665) Article based on AIAA Paper 83-1415

C84-115 The Use of Multipoles for Calculating the Aerodynamic Interference Between Bodies of Revolution. P. A. T. Christopher and C. T. Shaw, *Cranfield Institute of Technology* (**21**, 9, p. 673) Article

C84-116 Leeside Flows over Delta Wings at Supersonic Speeds. David S. Miller and Richard M. Wood, *NASA Langley Research Center* (**21**, 9, p. 680) Article based on AIAA Paper 83-1816

C84-117 Aerodynamic Characteristics of a Two-Dimensional Moving Spoiler in Subsonic and Transonic Flow. H. Consigny, *Office National d'Etudes et de Recherches Aerospatiales*; A.

Gravelle and R. Molinaro, *Office National d'Etudes et de Recherches Aerospatiales* (21, 9, p. 687) Article

C84-118 Transonic Wind Tunnel Wall Interference Minimization. James L. Grunnet, *FluiDyne Engineering Corporation* (21, 9, p. 694) Article

C84-119 Effects of Viscosity on Transonic-Aerodynamic and Aeroelastic Characteristics of Oscillating Airfoils. P. Guruswamy and P. M. Goorjian, *NASA Ames Research Center* (21, 9, p. 700) Article based on AIAA Paper 83-0888

C84-120 Effects of Icing on Performance of a Research Airplane. William A. Cooper, Wayne R. Sand, Marcia K. Politovich and Donald L. Veal, *University of Wyoming* (21, 9, p. 708) Article

C84-121 Recent Developments in the F-16 Flutter Suppression with Active Control Program. R. P. Peloubet Jr., R. L. Haller and R. M. Bolding, *General Dynamics* (21, 9, p. 716) Article based on AIAA Paper 00200

C84-122 Improved Damage-Tolerance Analysis Methodology. J. B. Chang, *Rockwell International*; and R. M. Engle, *Wright-Patterson Air Force Base* (21, 9, p. 722) Article based on AIAA Paper 83-0863

C84-123 Collapse Analysis of Cylindrical Composite Panels with Cutouts. T. C. Janisse and A. N. Palazotto, *Air Force Institute of Technology* (21, 9, p. 731) Engineering Note based on AIAA Paper 83-0875

C84-124 Flutter Characteristics of High Aspect Ratio Tailless Aircraft. J. R. Banerjee, *University of Wales Institute of Science and Technology* (21, 9, p. 733) Engineering Note

C84-125 Structure of Lift-Generated Rolled-Up Vortices. R. W. Staufenbiel, *Technical University Aachen, Federal Republic of Germany* (21, 10, p. 737) Article

C84-126 The Role of Computational Fluid Dynamics in Aeropropulsion Ground Testing. J. M. Barton, *Sverdrup Technology, Inc.* (21, 10, p. 745) Article based on AIAA Paper 83-0149

C84-127 Slender Wings with Leading-Edge Vortex Separation: A Challenge for Panel Methods and Euler Solvers. S. M. Hitzel and W. Schmidt, *Dornier GmbH (FRG)* (21, 10, p. 751) Article based on AIAA Paper 83-0562

C84-128 High-Lift Airfoil Design from the Hodograph. M. J. Cohen, *Ben-Gurion University of the Negev* (21, 10, p. 760) Article

C84-129 Status Review of a Supersonically Biased Fighter Wing Design Study. R. M. Wood, *NASA Langley Research Center*; D. S. Miller and Hahne D. E., *NASA Langely Research Center*; L. G. Niedling and J. R. Klein, *McDonnell Aircraft Company* (21, 10, p. 767) Article based on AIAA Paper 83-1857

C84-130 Computer Control for Automated Flight Test Maneuvering. E. L. Duke and F. P. Jones, *NASA Ames Research Center* (21, 10, p. 776) Article based on AIAA Paper 83-2137

C84-131 Motion of Aircraft Trailing Vortices near the Ground. M. Atias and D. Weihs, *Technion--Israel Institute of Technology* (21, 10, p. 783) Article based on AIAA Paper 83-2130

C84-132 Predicted TF41 Performance with the AGARD Research Fuel. J. E. Peters, *University of Illinois at Urbana-Champaign* (21, 10, p. 787) Article

C84-133 Airborne Infrared Low-Altitude Wind Shear Detection Test. P. M. Kuhn and R. L. Kurkowski, *NASA Ames Research Center* (21, 10, p. 792) Article based on AIAA Paper 84-0356

C84-134 Simulated Flight Through JAWS Wind Shear. W. Frost and H.-P. Chang, *The University of Tennessee Space Institute*; K. L. Elmore and J. McCarthy, *National Center for Atmospheric Research* (21, 10, p. 797) Article based on AIAA Paper 84-0276

C84-135 PAN AIR Applications to Mutual Interference Effects. A. Cenko, *Grumman Aerospace Corporation*; E. N. Tinoco, *Boeing Commercial Airplane Company*; and J. Tustaniwsky, *Burroughs Corporation* (21, 10, p. 803) Article based on AIAA Paper 84-0217

C84-136 Nonlinear Aerodynamic Effects on Bodies in Superonic Flow. J. L. Pittman, *NASA Langley Research Center*; and M. J. Siclari, *Grumman Aerospace Corporation* (21, 10, p. 809) Article based on AIAA Paper 84-0231

C84-137 Evaluation of NCOREL, PAN AIR, and W12SC3 for Supersonic Wing Pressures. M. Siclari, M. Visich, A. Cenko, B. Rosen and W. Mason, *Grumman Aerospace Corporation* (21, 10, p. 816) Article based on AIAA Paper 84-0218

C84-138 Performance Degradation of a Model Helicopter Rotor with a Generic Ice Shape. K. D. Korkan, E. J. Cross Jr. and T. L. Miller, *Texas A&M University* (21, 10, p. 823) Article based on AIAA Paper 84-0184

C84-139 Experimental Investigation of Dynamic Stall for a Pitching Airfoil. D. C. Daley, *Foreign Technology Division, Wright-Patterson AFB*; and E. J. Jumper, *Air Force Institute of Technology, Wright-Patterson AFB* (21, 10, p. 831) Engineering Note

C84-140 Induced Drag and Lift of Wing by the Piecewise Continuous Kernel Function Method. I. Lottati, *Technion--Israel Institute of Technology* (21, 11, p. 833) Synoptic

C84-141 Euler Equation Simulation of Propeller-Wing Interaction in Transonic Flow. D. L. Whitfield, *Mississippi State University*; and A. Jameson, *Princeton University* (21, 11, p. 835) Article

C84-142 A Physical Basis for NEXRAD Data Update Rates. P. R. Mahapatra and Dusan S. Zrnic, *National Severe Storms Laboratory* (21, 11, p. 840) Article

C84-143 GASP Cloud Encounter Statistics: Implications for Laminar Flow Control Flight. W. H. Jasperson and G. D. Nastrom, *Control Data Corporation*; R. E. Davis, *NASA Langley Research Center*; and J. D. Holdeman, *NASA Lewis Research Center* (21, 11, p. 851) Article

C84-144 Computation of Vortex Flow Around a Canard/Delta Combination. Lars-Erik Eriksson and Arthur Rizzi, *FFA, The Aeronautical Research Institute of Sweden* (21, 11, p. 858) Article

C84-145 Wind Shear Terms in the Equations of Aircraft Motion. Walter Frost, *The University of Tennessee Space Institute*; and Roland L. Bowles, *NASA Langley Research Center* (21, 11, p. 866) Article

C84-146 Computational Transonic Analysis of Canted Winglets. Bruce S. Rosen, *Grumman Aerospace Corporation* (21, 11, p. 873) Article

C84-147 Wing Design for Minimum Drag with Practical Constraints. Tad McGeer, *Simon Fraser University* (**21**, 11, p. 879) Article

C84-148 Fuel Effects on Gas Turbine Combustion-Liner Temperature, Pattern Factor, and Pollutant Emissions. A. H. Lefebvre, *Purdue University* (**21**, 11, p. 887) Article

C84-149 J Integral Finite Element Analysis for Three-Dimensional Cracks. Gein Wang, *East China Engineering Institute* (**21**, 11, p. 899) Article

C84-150 Measurement of Transonic Dips in the Flutter Boundaries of a Supercritical Wing in a Wind Tunnel. A. J. Persoon, J. J. Horsten and J. J. Meijer, *National Aerospace Laboratory, The Netherlands* (**21**, 11, p. 906) Article based on AIAA Paper 83-1031 CP832

C84-151 Bending Effects on Structural Dynamic Instabilities of Transonic Wings. N. D. Malmuth and S. R. Chakravarthy, *Rockwell International Science Center*; J. D. Cole, *Rensselaer Polytechnic Institute*; and T. P. Goebel, *Rockwell International North American Aircraft Operations* (**21**, 11, p. 913) Article based on AIAA Paper 83-0920 CP831

C84-152 Divergence Speed Degradation of Forward-Swept Wings with Damaged Composite Skin. F. E. Eastep, *University of Dayton*; V. B. Venkayya and V. A. Tishler, *AFWAL, Wright-Patterson Air Force Base* (**21**, 11, p. 921) Engineering Note

C84-153 A Method for Designing Three-Dimensional Configurations with Prescribed Skin Friction. S. G. Lekoudis, N. L. Sankar and S. F. Radwan, *Georgia Institute of Technology* (**21**, 11, p. 924) Engineering Note

C84-158 A Spatial Model of Wind Shear and Turbulence. C. Warren Campbell, *NASA Marshall Space Flight Center;* and V. A. Sanborn, *Colorado State University* (**21**), 12, p. 929) Article based on AIAA Paper 84-0277

C84-159 Practical Flight Test Method for Determining Reciprocating Engine Cooling Requirements. D. T. Ward and S. J. Miley, *Texas A&M University* (**21**, 12, p. 936) Article

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C84-161 A Simple and Safe Takeoff or Landing Procedure with Wing Surface Contaminations. Mark A. Dietenberger, *University of Dayton Research Institute* (**21**, 12, p. 955) Article based on AIAA Paper 83-0604

C84-162 A User-Operated Model to Study Strategy in Aircraft Evacuation. D. E. Cagliostro, *NASA Ames Research Center* (**21**, 12, p. 962) Article

C84-163 Microwave-Powered, Unmanned, High-Altitude Airplanes. Charles E. K. Morris Jr., *NASA Langley Research Center* (**21**, 12, p. 966) Article based on AIAA Paper 83-1825

C84-164 Optimizing the Use of Surface Sensors for Wind Shear Detection. A. J. Bedard Jr., *NOAA/ERL* (**21**, 12, p. 971) Article based on AIAA Paper 84-0353

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